WHAT IS CLAIMED IS:

1	1. A method, comprising:			
2	receiving a selection of customer sites;			
3	querying a database to determine geographical locations of the selected network			
4	sites;			
5	rendering, in a graphical user interface, representations of the selected customer			
6	sites in a map at the geographical location of the selected sites in the map;			
7	receiving selection of at least one network service provider (NSP);			
8	querying the database to determine network infrastructure of the selected NSP and			
9	geographical locations of the determined network infrastructure; and			
10	rendering representations of the determined network infrastructure in a map at the			
11	determined geographical locations of the determined network infrastructure to render a			
12	visualization of the geographical locations of the selected customer sites and network			
13	infrastructure of the selected at least one NSP in the map.			
1	2. The method of claim 1, wherein the determined network infrastructure			
2	comprises at least one of a switch and a network path, and wherein the network			

- comprises at least one of a switch and a network path, and wherein the network
 infrastructure geographical location comprises at least one of a switch site location and a
 route of the network path.
- 3. The method of claim 1, wherein the map comprises a street map, and wherein the rendered map visualizes transportation corridors, and wherein the rendered customer sites and network infrastructure are visualized superimposed over rendered transportation corridors in the street map.
- 1 4. The method of claim 1, further comprising:
 2 receiving user selection of one rendered customer site;
 3 querying the database to determine information on the selected customer site; and
 4 rendering the determined information on the selected customer site in a dialog
 5 box.

1	5. The method of 1, further comprising:		
2	querying connection information in the database to determine connections		
3	between the rendered customer sites; and		
4	rendering connections between the customer sites in the map to visualize the		
5	determined connections.		
1	6. The method of claim 5, further comprising:		
2	receiving a query including search criteria with respect to a parameter concerning		
3	network connectivity at the customer sites;		
4	querying the database to determine connections between customer sites having		
5	network connectivity information satisfying the search criteria included with the query;		
6	and		
7	rendering the determined connections in a different visual manner than those		
8	connections that do not satisfy the search criteria.		
1	7. The method of claim 5, wherein the connection information includes		
2	information on at least one of connected sites, connection bandwidth, and connection		
3	circuit types.		
1	8. The method of claim 1, further comprising:		
2	receiving a definition of a buffer region with respect to a selected customer site;		
3	querying the database to determine NSP network infrastructure located within the		
4	defined buffer region;		
5	rendering the buffer region around the rendering of the selected customer site in		
6	the map; and		
7	rendering the determined NSP network infrastructure within the defined buffer		
8	region in the map.		
1	9. The method of claim 8, wherein NSP network infrastructure rendered		
2	within the defined buffer region is rendered differently than NSP network infrastructure		
3	rendered outside of the buffer region.		

1	10. The method of claim 8, further comprising:	
2	generating a report identifying at least one of: the network infrastructure located	
3	within the buffer region, the NSP managing the identified network infrastructure, and a	
4	distance of the identified network infrastructure from the selected customer site for which	
5	the buffer region is defined.	
1	11. The method of claim 1, wherein the network infrastructure includes	
2	network switches and network paths, wherein rendering the representations of the	
3	determined network infrastructure comprises rendering representations of the determine	
4	switches in the map, further comprising:	
5	querying the database to determine network paths between the network switches	
5	rendered in the map; and	
7	rendering the network paths between the network switches in the map.	
l	12. The method of claim 11, wherein the map comprises a street map, and	
2	wherein the network paths are rendered superimposed over transportation corridors	
3	rendered on the map.	
l	13. The method of claim 11, further comprising:	
2	receiving user selection of a proposed path between the customer site and one	
3	network switch;	
1	rendering the proposed path in the map; and	
5	generating and rendering information on the proposed path in the map, includin	
5	information on the distance of the proposed path.	
l	14. The method of claim 1, further comprising:	
2	receiving selection of a plurality of customer sites rendered in the map;	
3	receiving a definition of parameters of a buffer region with respect to the selecte	
1	customer sites;	
5	determining buffer regions for each of the selected customer sites satisfying the	
5	defined parameters for the buffer region;	

7	querying the database to determine NSP network infrastructure located within		
8	each determined buffer region;		
9	rendering each determined buffer region around each selected customer site in the		
10	map; and		
11	rendering the determined NSP network infrastructure within each defined buffer		
12	region in the map.		
13			
1	15. The method of claim 14, further comprising:		
2	generating a report identifying at least one of: the network infrastructure located		
3	within the determined buffer regions; the NSPs managing the identified network		
4	infrastructure within the determined buffer regions; and, for each selected customer site, a		
5	distance of the identified network infrastructure from the selected customer site within		
6	the buffer region for the selected customer site.		
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1	16. A system, comprising:		
2	a processor;		
3	an output device in communication with the processor;		
4	code executed by the processor to cause the processor to perform:		
5	(i) receiving a selection of customer sites;		
6	(ii) querying a database to determine geographical locations of the selected		
7	network sites;		
8	(iii) rendering, in a graphical user interface, representations of the selected		
9	customer sites in a map at the geographical location of the selected sites in the		
10	map;		
11	(iv) receiving selection of at least one network service provider (NSP);		
12	(v) querying the database to determine network infrastructure of the		
13	selected NSP and geographical locations of the determined network		
14	infrastructure; and		
15	(vi) rendering representations of the determined network infrastructure in		
16	a map at the determined geographical locations of the determined network		

17 infrastructure to render a visualization of the geographical locations of the 18 selected customer sites and network infrastructure of the selected at least one NSP 19 in the map. 17. The system of claim 16, wherein the determined network infrastructure 1 2 comprises at least one of a switch and a network path, and wherein the network infrastructure geographical location comprises at least one of a switch site location and a 3 route of the network path. 4 1 18. The system of claim 16, wherein the map comprises a street map, and 2 wherein the rendered map visualizes transportation corridors, and wherein the rendered customer sites and network infrastructure are visualized superimposed over rendered 3 4 transportation corridors in the street map. 1 19. The system of claim 16, wherein the code further causes the processor to 2 perform: 3 receiving user selection of one rendered customer site; 4 querying the database to determine information on the selected customer site; and 5 rendering the determined information on the selected customer site in a dialog 6 box. 20. The system of claim 16, wherein the code further causes the processor to 1 2 perform: 3 querying connection information in the database to determine connections 4 between the rendered customer sites; and 5 rendering connections between the customer sites in the map to visualize the 6 determined connections. 1 21. The system of claim 20, wherein the code further causes the processor to 2 perform:

3	receiving a query including search criteria with respect to a parameter concerning		
4	network connectivity at the customer sites;		
5	querying the database to determine connections between customer sites having		
6	network connectivity information satisfying the search criteria included with the query;		
7	and		
8	rendering the determined connections in a different visual manner than those		
9	connections that do not satisfy the search criteria.		
1	22. The system of claim 16, wherein the connection information includes		
2	information on at least one of connected sites, connection bandwidth, and connection		
3	circuit types.		
1	23. The system of claim 16, wherein the code further causes the processor to		
2	perform:		
3	receiving a definition of a buffer region with respect to a selected customer site;		
4	querying the database to determine NSP network infrastructure located within the		
5	defined buffer region;		
6	rendering the buffer region around the rendering of the selected customer site in		
7	the map; and		
8	rendering the determined NSP network infrastructure within the defined buffer		
9	region in the map.		
1	24. The system of claim 23, wherein NSP network infrastructure rendered		
2	within the defined buffer region is rendered differently than NSP network infrastructure		
3	rendered outside of the buffer region.		
1	The system of claim 24, wherein the code further causes the processor to		
2	perform:		
3	generating a report identifying at least one of: the network infrastructure located		
4	within the buffer region, the NSP managing the identified network infrastructure, and a		

distance of the identified network infrastructure from the selected customer site for which
 the buffer region is defined.

- 1 26. The system of claim 16, wherein the network infrastructure includes 2 network switches and network paths, wherein rendering the representations of the 3 determined network infrastructure comprises rendering representations of the determined 4 switches in the map, and wherein the code further causes the processor to perform:
- querying the database to determine network paths between the network switches rendered in the map; and
- 7 rendering the network paths between the network switches in the map.
- The system of claim 26, wherein the map comprises a street map, and wherein the network paths are rendered superimposed over transportation corridors rendered on the map.
- 1 28. The system of claim 26, wherein the code further causes the processor to 2 perform:
- receiving user selection of a proposed path between the customer site and one network switch;
- 5 rendering the proposed path in the map; and
- generating and rendering information on the proposed path in the map, including information on the distance of the proposed path.
- 1 29. The system of claim 16, wherein the code further causes the processor to 2 perform:
- 3 receiving selection of a plurality of customer sites rendered in the map;
- 4 receiving a definition of parameters of a buffer region with respect to the selected 5 customer sites;
- determining buffer regions for each of the selected customer sites satisfying the
 defined parameters for the buffer region;

8	querying the database to determine NSP network infrastructure located within				
9	each determined buffer region;				
10	rendering each determined buffer region around each selected customer site in th				
11	map; and				
12	rendering the determined NSP network infrastructure within each defined buffer				
13	region in the map.				
14					
1	30. The system of claim 16, wherein the code further causes the processor to				
2	perform:				
3	generating a report identifying at least one of: the network infrastructure located				
4	within the determined buffer regions; the NSPs managing the identified network				
5	infrastructure within the determined buffer regions; and, for each selected customer site,				
6	distance of the identified network infrastructure from the selected customer site within				
7	the buffer region for the selected customer site.				
1	31. An article of manufacture for causing operations to be performed, wherein				
2	the operations comprise:				
3	receiving a selection of customer sites;				
4	querying a database to determine geographical locations of the selected network				
5	sites;				
6	rendering, in a graphical user interface, representations of the selected custome				
7	sites in a map at the geographical location of the selected sites in the map;				
8	receiving selection of at least one network service provider (NSP);				
9	querying the database to determine network infrastructure of the selected NSP and				
10	geographical locations of the determined network infrastructure; and				
11	rendering representations of the determined network infrastructure in a map at the				
12	determined geographical locations of the determined network infrastructure to render a				
13	visualization of the geographical locations of the selected customer sites and network				
14	infrastructure of the selected at least one NSP in the map.				

1 32. The article of manufacture of claim 31, wherein the determined network 2 infrastructure comprises at least one of a switch and a network path, and wherein the 3 network infrastructure geographical location comprises at least one of a switch site 4 location and a route of the network path. 1 33. The article of manufacture of claim 31, wherein the map comprises a 2 street map, and wherein the rendered map visualizes transportation corridors, and wherein the rendered customer sites and network infrastructure are visualized 3 4 superimposed over rendered transportation corridors in the street map. 1 34. The article of manufacture of claim 31, wherein the operations further 2 comprise: 3 receiving user selection of one rendered customer site; 4 querying the database to determine information on the selected customer site; and 5 rendering the determined information on the selected customer site in a dialog 6 box. 1 35. The article of manufacture of claim 31, wherein the operations further 2 comprise: 3 querying connection information in the database to determine connections 4 between the rendered customer sites; and 5 rendering connections between the customer sites in the map to visualize the 6 determined connections. 1 36. The article of manufacture of claim 35, wherein the operations further 2 comprise: 3 receiving a query including search criteria with respect to a parameter concerning 4 network connectivity at the customer sites; 5 querying the database to determine connections between customer sites having 6 network connectivity information satisfying the search criteria included with the query; 7 and

rendering the determined connections in a different visual manner than those connections that do not satisfy the search criteria.

- 1 37. The article of manufacture of claim 35, wherein the connection 2 information includes information on at least one of connected sites, connection 3 bandwidth, and connection circuit types.
- 1 38. The article of manufacture of claim 31, wherein the operations further 2 comprise:

receiving a definition of a buffer region with respect to a selected customer site;
querying the database to determine NSP network infrastructure located within the
defined buffer region;

rendering the buffer region around the rendering of the selected customer site in the map; and

rendering the determined NSP network infrastructure within the defined buffer region in the map.

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the buffer region is defined.

39. The article of manufacture of claim 38, wherein NSP network infrastructure rendered within the defined buffer region is rendered differently than NSP network infrastructure rendered outside of the buffer region.

The article of manufacture of claim 38, wherein the operations further

- comprise:
 generating a report identifying at least one of: the network infrastructure located
 within the buffer region, the NSP managing the identified network infrastructure, and a
 distance of the identified network infrastructure from the selected customer site for which
- 1 41. The article of manufacture of claim 31, wherein the network infrastructure 2 includes network switches and network paths, wherein rendering the representations of

3	the determined network infrastructure comprises rendering representations of the		
4	determined switches in the map, further comprising:		
5	querying the database to determine network paths between the network switches		
6	rendered in the map; and		
7	rendering the network paths between the network switches in the map.		
1	42. The article of manufacture of claim 41, wherein the map comprises a		
2	street map, and wherein the network paths are rendered superimposed over transport		
3	corridors rendered on the map.		
1	43. The article of manufacture of claim 41, wherein the operations further		
2	comprise:		
3	receiving user selection of a proposed path between the customer site and one		
4	network switch;		
5	rendering the proposed path in the map; and		
6	generating and rendering information on the proposed path in the map, including		
7	information on the distance of the proposed path.		
1	44. The article of manufacture of claim 31, wherein the operations further		
2	comprise:		
3	receiving selection of a plurality of customer sites rendered in the map;		
4	receiving a definition of parameters of a buffer region with respect to the selecte		
5	customer sites;		
6	determining buffer regions for each of the selected customer sites satisfying the		
7	defined parameters for the buffer region;		
8	querying the database to determine NSP network infrastructure located within		
9	each determined buffer region;		
10	rendering each determined buffer region around each selected customer site in the		
11	map; and		
12	rendering the determined NSP network infrastructure within each defined buffer		
13	region in the map.		

1	45.	The article of manufacture of claim 44, wherein the operations further
2	comprise:	
3	gener	rating a report identifying at least one of: the network infrastructure located
4	within the de	etermined buffer regions; the NSPs managing the identified network
5	infrastructur	e within the determined buffer regions; and, for each selected customer site, a
5	distance of the	ne identified network infrastructure from the selected customer site within
7	the buffer re	gion for the selected customer site.